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(71) Applicant: **MATSUSHITA ELECTRIC
INDUSTRIAL CO., LTD.**

1006, Ohaza Kadoma
Kadoma-shi, Osaka 571(JP)

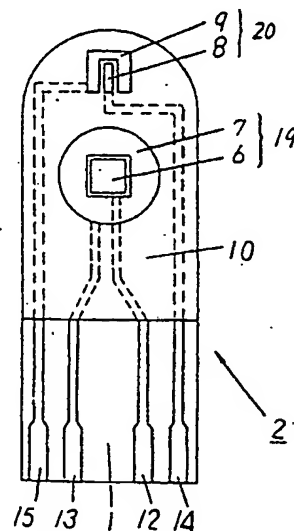
(72) Inventor: Yoshioka, Toshihiko
4-15-11-302, Shinmori,
Asahi-ku
Osaka-shi, Osaka(JP)
Inventor: Nankai, Shiro
4-50-12, Nasuzukuri
Hirakata-shi, Osaka(JP)

(74) Representative: Marx, Lothar, Dr.
Patentanwälte Schwabe, Sandmair, Marx
Stuntzstrasse 16
D-81677 München (DE)

(54) **A biosensor and a method for measuring a concentration of a substrate in a sample.**

(57) The present invention provides a biosensor comprising an electrical insulating substrate, a main electrode system formed on the substrate and having a working electrode and a counter electrode, a reaction layer provided in contact with or in the vicinity of the main electrode system and containing an oxidoreductase, and a sub electrode system as a reference provided with an interval from the main electrode system and having a working electrode and a counter electrode.

Fig. 1



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EUROPEAN SEARCH REPORT

Application Number
EP 92 11 7711

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.5)
A	EP-A-0 127 958 (GENETICS INTERNATIONAL, INC.) ---		C12M1/40 C12Q1/26 G01N27/327
A	EP-A-0 359 831 (MATSUSHITA ELECTRIC INDUSTRIAL CO.) ---		
D,P, A	EP-A-0 502 504 (MATSUSHITA ELECTRIC INDUSTRIAL CO; LTD.) -----		
			TECHNICAL FIELDS SEARCHED (Int.Cl.5)
			C12Q
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 6 December 1993	Examiner Cartagena y Abella,P
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document	

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